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- 1. Arrangements**
 - 2. Permutations**
 - 3. Combination**
 - 4. Probability axioms**
 - 5. Sample space , Events**
 - 6. Mutually exclusive events**
 - 7. Law of total probability**
 - 8. Conditional probability**
 - 9. Independent events**
 - 10. Bayes rule**
 - 11. Definition of a random variable**
 - 12. Cumulative distribution function**
 - 13. Probability density function and probability mass function**
 - 14. Other related functions : hazard function , survivor function , reverse hazard**